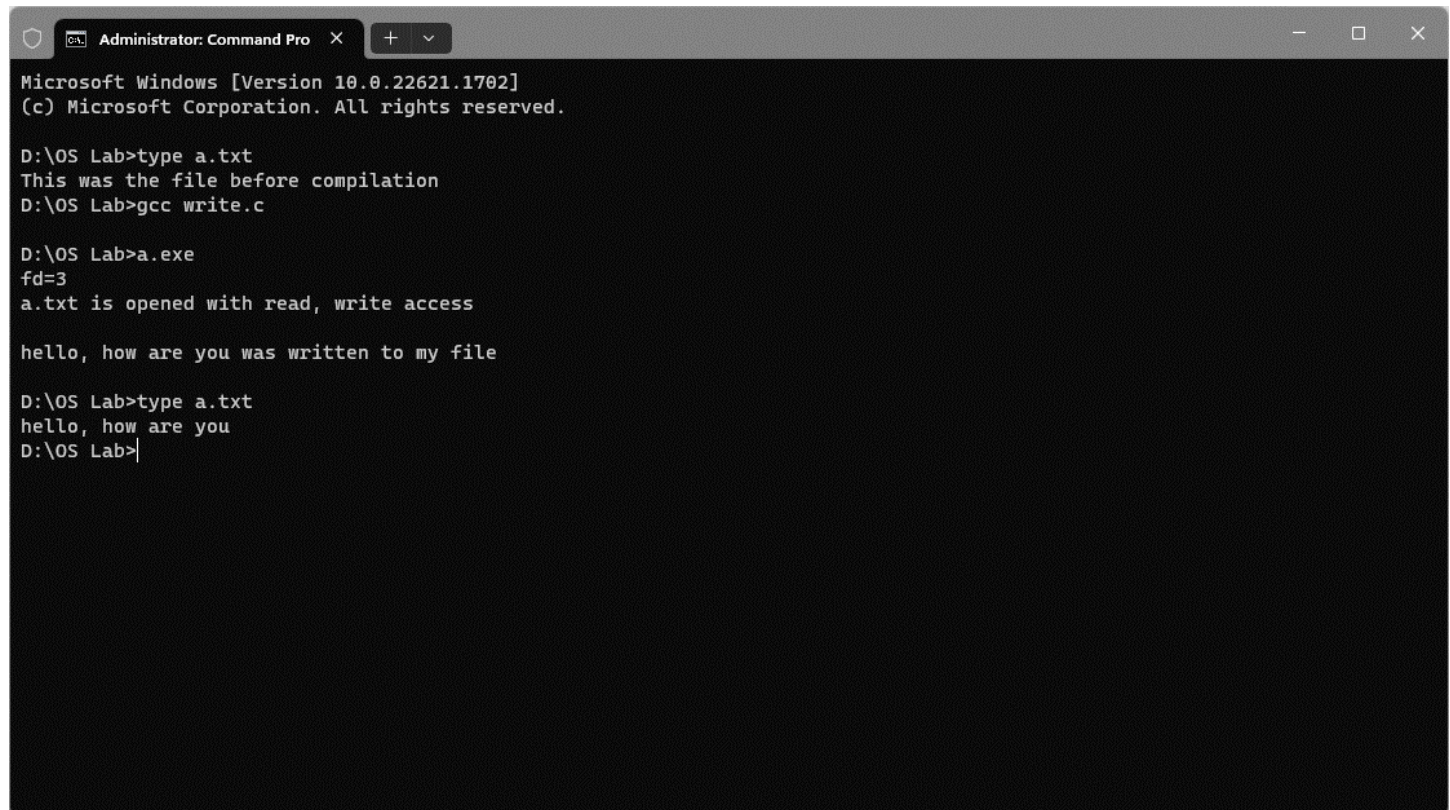


## PROGRAM

```
// I/O system calls of Linux OS
#include<stdio.h>
#include<unistd.h>
#include<fcntl.h>
int main() {
    int fd;
    char buffer[80];
    char msg[50] = "hello, how are you";
    fd = open("a.txt", O_RDWR);
    printf("fd=%d\n", fd);
    if (fd != -1) {
        printf("a.txt is opened with read, write access\n");
        write(fd, msg, sizeof(msg));
        lseek(fd, 0, SEEK_SET);
        read(fd, buffer, sizeof(buffer));
        printf("\n%s was written to my file\n", buffer);
        close(fd);
    }
    return 0;
}
```

## OUTPUT

A screenshot of a Windows Command Prompt window titled "Administrator: Command Pro". The window shows the execution of a C program. The user enters commands to view the file content before compilation, compile the program, and then run the executable. The output shows the file content being updated with "hello, how are you" and then being read back. The window has a standard Windows title bar with minimize, maximize, and close buttons.

```
Microsoft Windows [Version 10.0.22621.1702]
(c) Microsoft Corporation. All rights reserved.

D:\OS Lab>type a.txt
This was the file before compilation
D:\OS Lab>gcc write.c

D:\OS Lab>a.exe
fd=3
a.txt is opened with read, write access

hello, how are you was written to my file

D:\OS Lab>type a.txt
hello, how are you
D:\OS Lab>
```